## (19) World Intellectual Property Organization

International Bureau



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(43) International Publication Date 29 December 2005 (29.12.2005)

PCT

## (10) International Publication Number WO 2005/124082 A1

(51) International Patent Classification7: E06B 3/48

E05F 15/10,

(21) International Application Number:

PCT/KR2005/000999

7 April 2005 (07.04.2005) (22) International Filing Date:

(25) Filing Language:

English

(26) Publication Language:

**English** 

(30) Priority Data:

10-2004-0024164

8 April 2004 (08.04.2004) KR

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

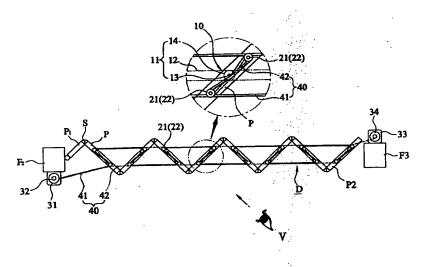
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FOLDING AND SPREADING SYSTEM FOR HALF SPREAD FOLDING DOOR



(57) Abstract: A folding and spreading system for a half spread folding comprises an upper (11) and a lower (15) guider for making the folding door (D) move in a close or open direction; a first wire guider (21) provided at the depth portion of each door leaf (P) in a predetermined distance from a neighboring first wire guider (21), and a second wire guider (22) installed coaxially to the first wire guider (21); a folding motor (31) and a spreading motor (33) provided at both end frames (F2, F3) of the folding door (D), respectively, and having a reel (32, 34) at each rotational shaft of each motor (31, 33); and a winding wire (41) and a releasing wire (42) extended diagonally through each of the wire guiders (21, 22) of each door leaf (P), respective end of the wires (41, 42) connected to the wire guider and to the reel (32, 34) of the motor (31, 33), respectively, in order to fold and spread the adjacent two door leaves (P) around the hinge (H).